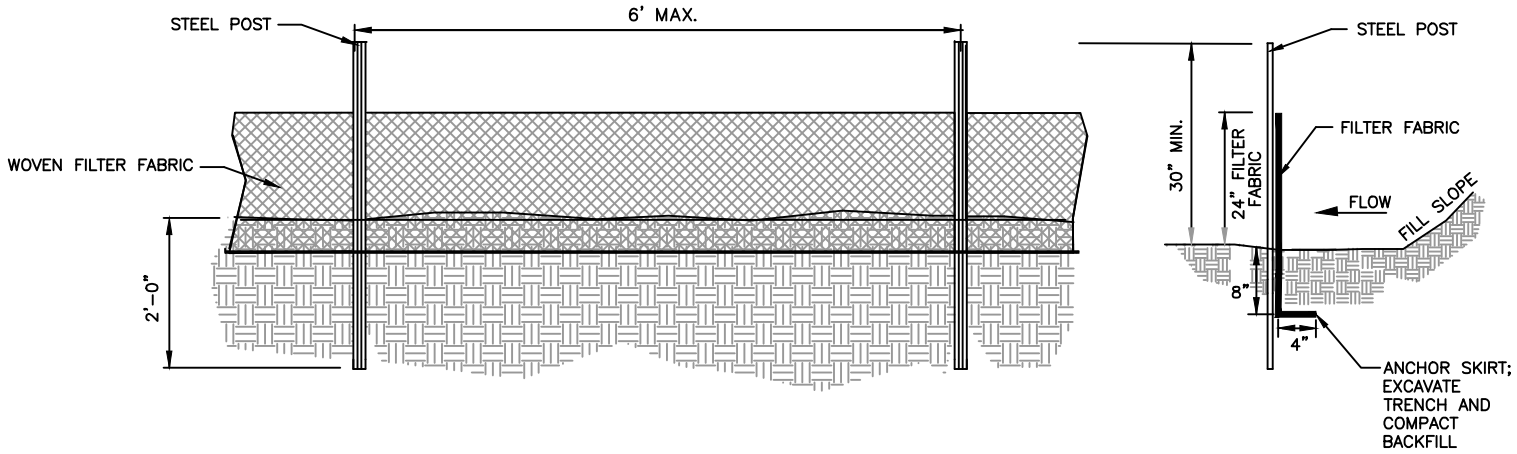


GENERAL NOTES:

1. WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.
2. STEEL POSTS SHALL BE 5'–0" IN HEIGHT AND BE OF THE SELF–FASTENER ANGLE STEEL TYPE.
3. TURN SILT FENCE UP SLOPE AT ENDS.
4. ORANGE SAFETY FENCE IS REQUIRED AT BACK OF SILT FENCE WHEN GRADING IS ADJACENT TO STREAM BUFFERS, STREAMS OR WETLANDS (REFER TO STREAM BUFFER GUIDELINES). THE COLOR ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.
5. DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE PER 100 FT OF FENCE.
6. SLOPE LENGTHS CAN NOT EXCEED CRITERIA SHOWN IN TABLE 6.62A NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
7. DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.

MAINTENANCE NOTES:

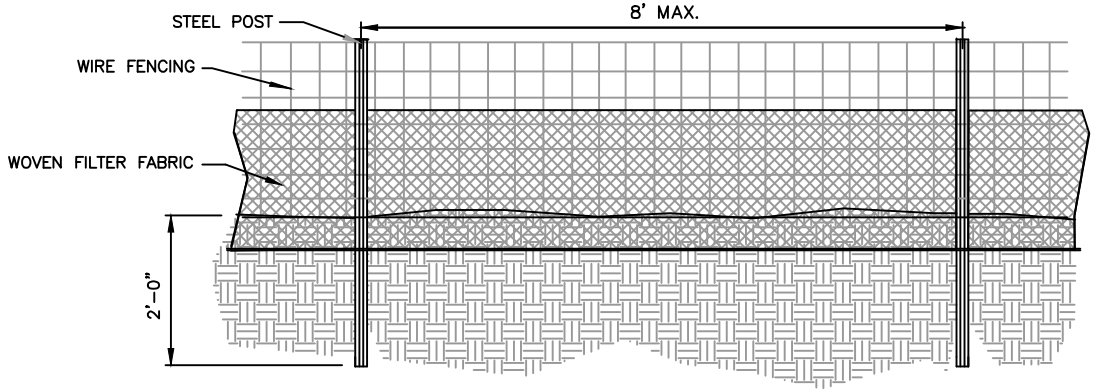
1. FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH APPROX. HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

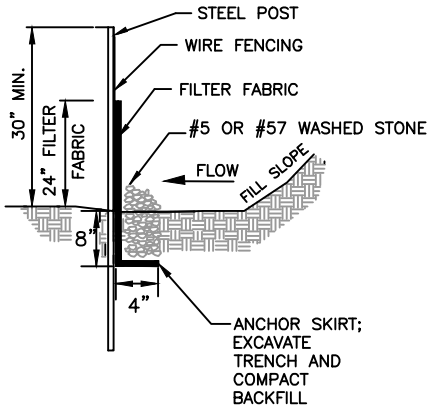
NOT TO SCALE

TEMPORARY SILT FENCE

REV.	STD. NO.
1	4001A

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS





GENERAL NOTES:

1. WIRE FENCING SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
2. WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.
3. STEEL POSTS SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
4. WIRE FENCING SHALL BE AT LEAST #10 GAGE WITH A MINIMUM OF 6 LINE WIRES WITH 6" STAY SPACING.
5. TURN SILT FENCE UP SLOPE AT ENDS.
6. WIRE AND WASHED STONE IS REQUIRED TO BE SHOWN ON PLANS AT THE TOE OF SLOPES GREATER THAN 10 FEET VERTICAL (2:1 SLOPE)
7. ORANGE SAFETY FENCE IS REQUIRED AT BACK OF SILT FENCE WHEN GRADING IS ADJACENT TO SWIM BUFFERS, STREAMS OR WETLANDS (REFER TO SWIM BUFFER GUIDELINES). THE COLOR ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.
8. DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE PER 100 FT OF FENCE.
9. SLOPE LENGTHS CAN NOT EXCEED CRITERIA SHOWN IN TABLE 6.62A NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
10. DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.

MAINTENANCE NOTES:

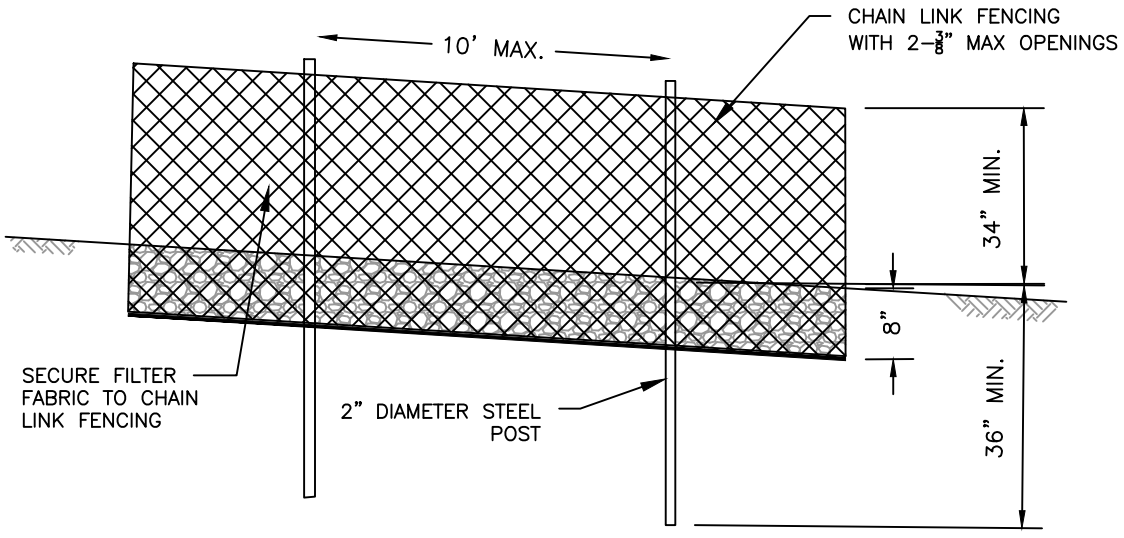
1. FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

NOT TO SCALE

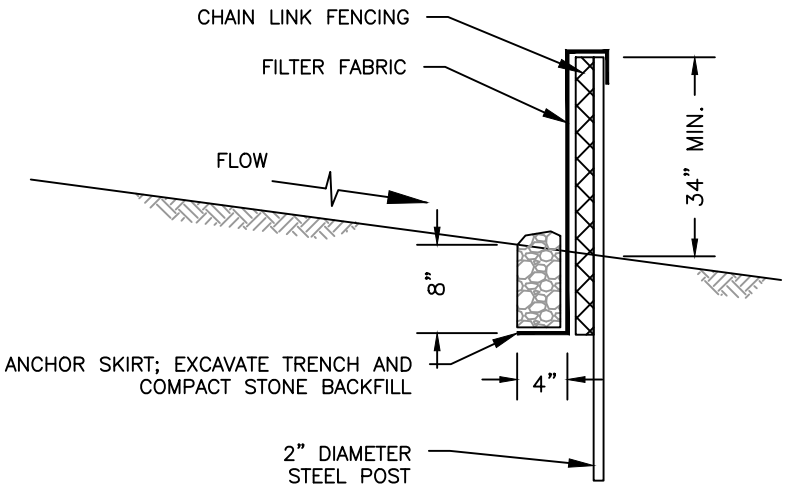
TEMPORARY HIGH-HAZARD SILT FENCE

REV.	STD. NO.
1	4001B

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS



ELEVATION



CROSS SECTION

GENERAL NOTES:

1. SUPER SILT FENCE MAY BE USED IN CRITICAL AREAS IN LIEU OF DOUBLE ROW HIGH HAZARD SILT FENCE.
2. INSTALL MINIMUM 2 INCH DIAMETER GALVANIZED STEEL POSTS, SIX FOOT LENGTH, SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36" INTO THE GROUND.
3. FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2 3/8 INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HOG RINGS.
4. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BYPASS.
5. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
6. WASHED STONE (#5 OR #57) STALL BE USED IN THE SILT FENCE TRENCH AND COMPACTED.
7. ORANGE SAFETY FENCE IS REQUIRED WHEN GRADING IS ADJACENT TO SWIM BUFFERS, STREAMS OR WETLANDS (REFER TO SWIM BUFFER GUIDELINES). THE COLOR ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.
8. DRAINAGE AREA CANNOT BE GREATER THAN ¼ ACRE PER 100 FT OF FENCE.
9. SLOPE LENGTHS CANNOT EXCEED CRITERIA SHOWN IN TABLE 6.62A NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
10. DO NOT INSTALL SUPER SILT FENCE ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.

MAINTENANCE NOTES:

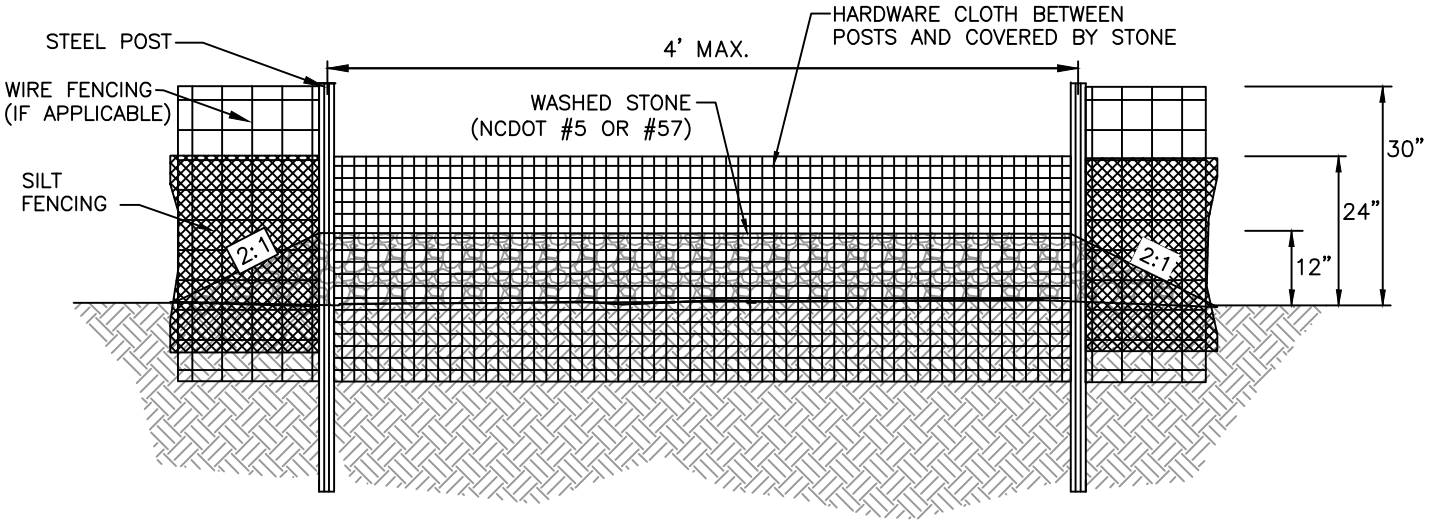
1. FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

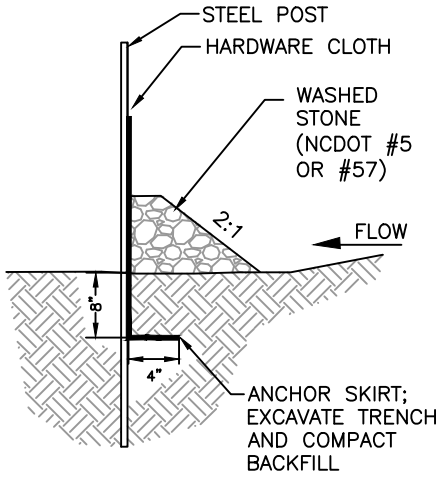
NOT TO SCALE

REV.	STD. NO.
1	4001C

SUPER SILT FENCE

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS





GENERAL NOTES:

1. SEDIMENT FILTER OUTLET HARDWARE CLOTH SHALL BE 24" HIGH AND STONE SHALL BE A MINIMUM OF 12" HIGH.
2. HARDWARE CLOTH SHALL BE ANCHORED TO THE STEEL POSTS SECURELY USING APPROPRIATE ANCHORS. HARDWARE CLOTH SHALL BE KEYED IN A MINIMUM OF 12 INCHES IN LENGTH AND BACKFILLED PROPERLY AS SHOWN IN ABOVE DETAIL. HARDWARE CLOTH TO BE SAME AS LIDS #4004E (19 GAUGE, 1/4" SPACING).
3. POSTS SHALL BE NO MORE THAN 4 FEET APART.
4. SITE OUTLETS AT LOW AREAS IN CONJUNCTION WITH AND ALONG LONG RUNS OF SILT FENCE AT INTERVALS NO CLOSER THAN 100 FEET. DRAINAGE AREA TO OUTLETS SHALL NOT EXCEED 1/4 ACRE.
5. EQUIVALENT ALTERNATIVES MAY BE USED WITH PRIOR CITY APPROVAL.

MAINTENANCE NOTES:

1. FILTER OUTLETS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
2. THE STONE SHALL BE REPLACED PROMPTLY AFTER ANY EVENT THAT HAS CLOGGED OR REMOVED IT.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OUTLET IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

NOT TO SCALE

SILT FENCE OUTLET

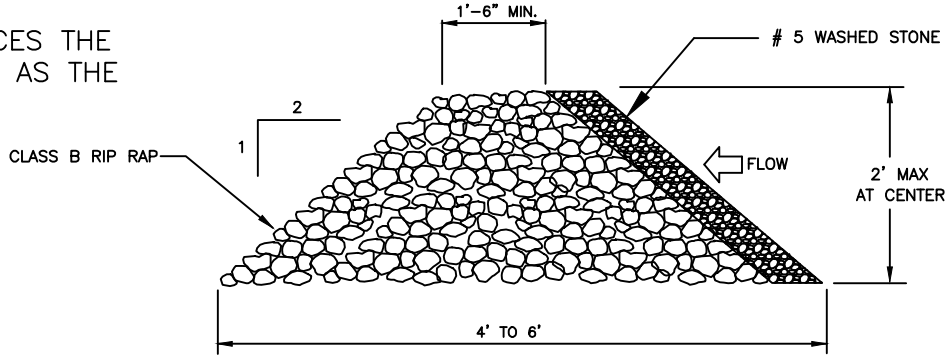
REV.	STD. NO.
1	4001D

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

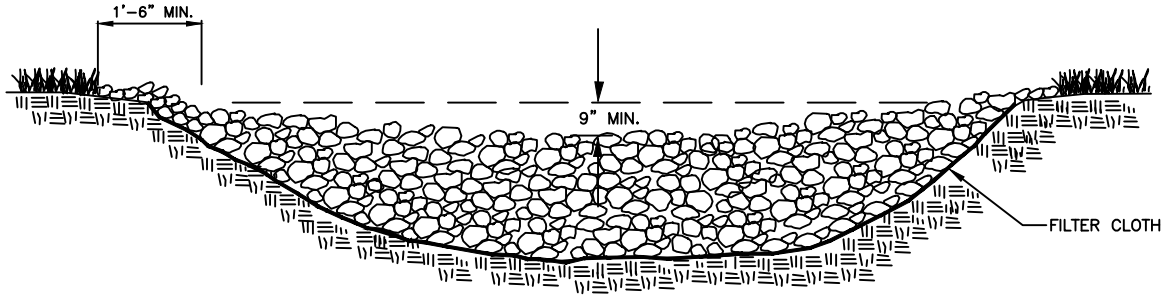
GENERAL NOTES:

1. RIPRAP SIZE TO BE DESIGNED BY ENGINEER.
2. CHECK DAMS MAY BE USED IN SLOPING DITCHES OR CHANNELS TO SLOW VELOCITY OR TO CREATE SEDIMENT TRAPS.
3. ENSURE THAT MAXIMUM SPACING BETWEEN DAMS PLACES THE TOE OF THE UPSTREAM DAM AT THE SAME ELEVATION AS THE DOWNSTREAM DAM (SEE DIAGRAM BELOW).

A AND B ARE AT EQUAL ELEVATIONS



CROSS SECTION



PLAN

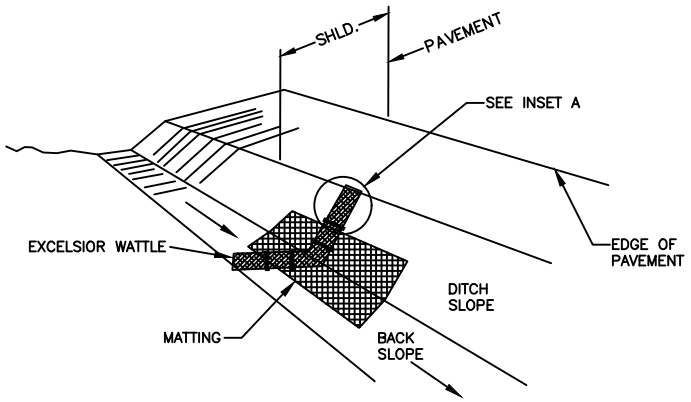
APPROVED DATE: PRELIMINARY

NOT TO SCALE

TEMPORARY ROCK CHECK DAM

REV.	STD. NO.
1	4002A

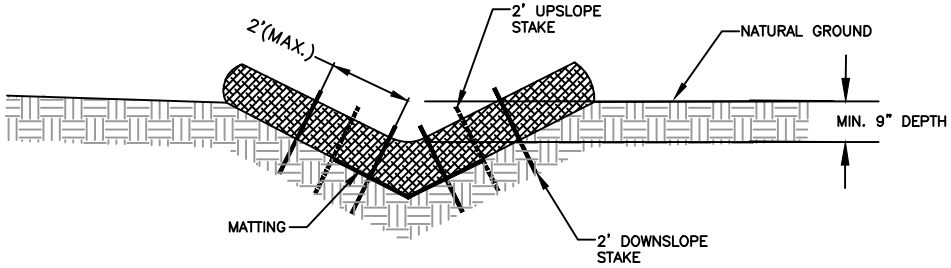
CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS



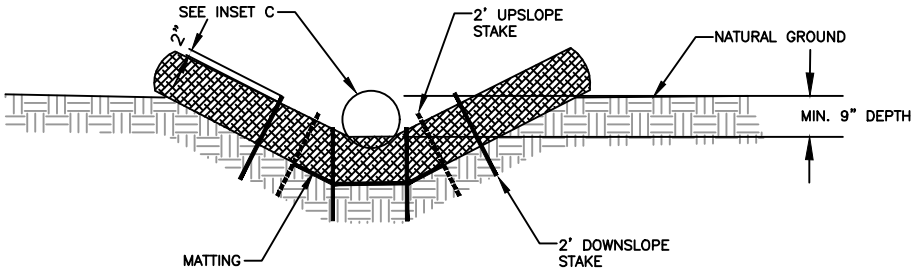
ISOMETRIC VIEW

GENERAL NOTES:

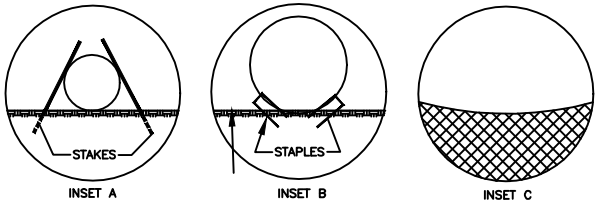
1. USE MINIMUM 12 INCH DIAMETER NATURAL FIBER WATTLE.
2. USE 2 FT. WOODEN STAKES WITH A 2 IN. X 2 IN. NOMINAL CROSS SECTION
3. ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
4. INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
5. PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
6. INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
7. INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE NCDOT STANDARD SPECIFICATIONS.

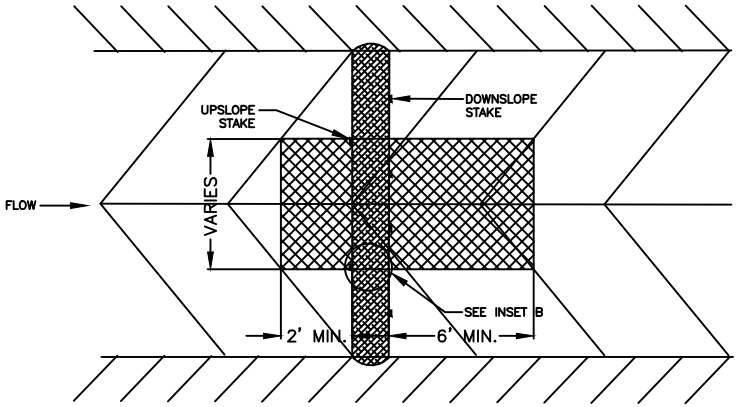


CROSS SECTION
VEE DITCH



CROSS SECTION
TRAPEZOIDAL DITCH





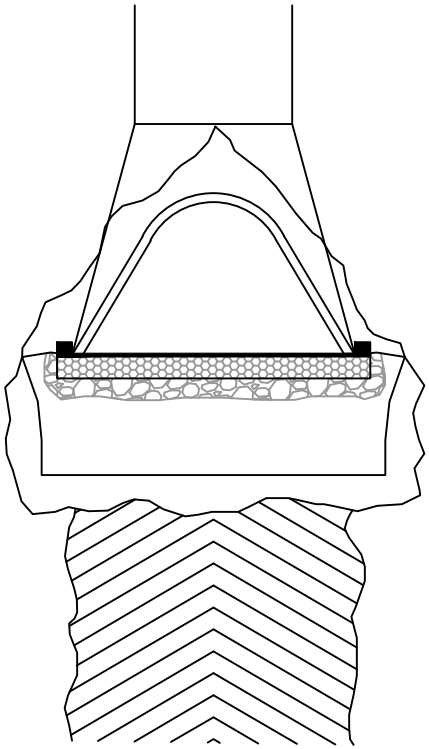
APPROVED DATE: PRELIMINARY

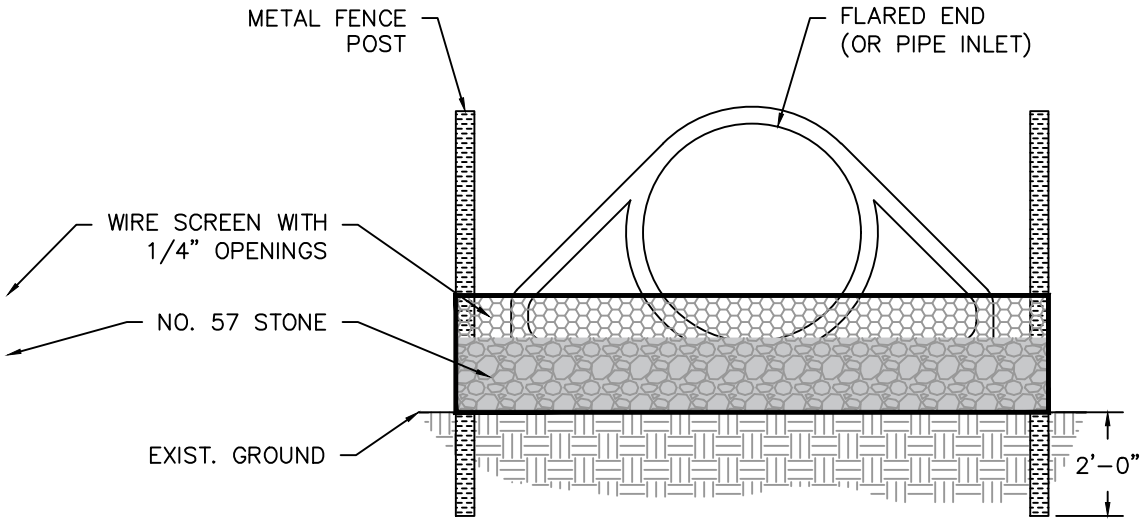
NOT TO SCALE

TEMPORARY NATURAL FIBER WATTLE

REV.	STD. NO.
1	4002B

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS





SECTION VIEW

NOTES:

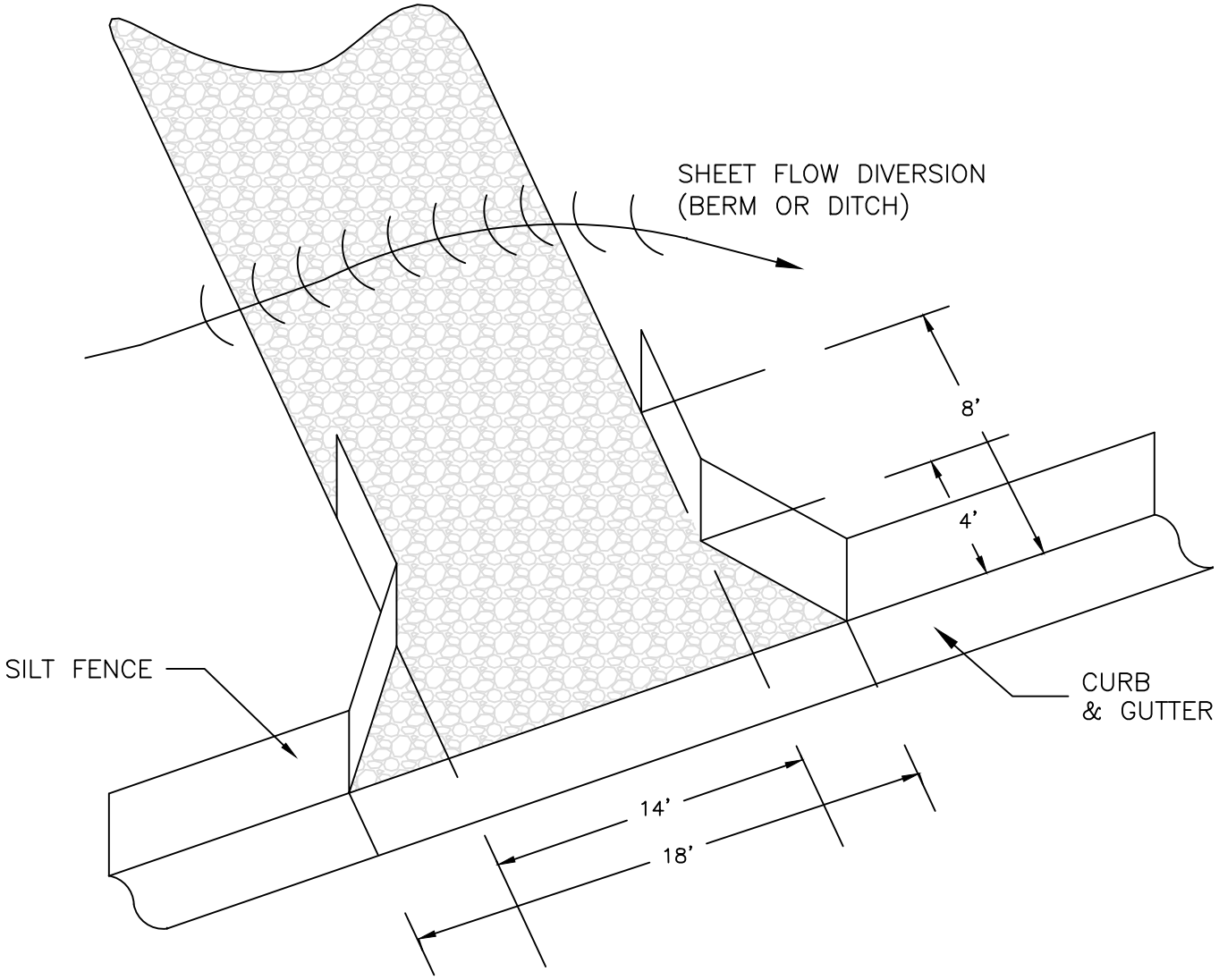
1. THIS MEASURE IS USED WHERE A DISTURBED DITCH FLOWS DIRECTLY INTO A PIPE OR FLARED END SECTION.
2. THIS DETAIL DEPICTS ONLY FLARED END SECTION. FOR PIPE INLETS, WIDTH OF WIRE BETWEEN POSTS SHALL MATCH THE NOMINAL DIAMETER OF THE PIPE.
3. WIRE SCREEN SHALL BE 3/4" AND THE BOTTOM SHALL BE TRENCHED A MINIMUM OF 6" INTO THE GROUND AND HELD IN PLACE WITH #57 STONE.
4. ONCE DITCH IS STABILIZED, REMOVE WIRE SCREEN AND FILL BASIN WITH SUITABLE MATERIAL. INSTALL EXCELSIOR MATTING OVER BASIN TO STABILIZE FILL.
5. SILT BASIN SHALL BE 2' DEEP AND 2' LONG. WIDTH SHALL MATCH THE WIDTH OF THE FLARED END OR THE NOMINAL PIPE DIAMETER.

NOT TO SCALE

PIPE AND FLARED END SECTION INLET PROTECTION

REV.	STD. NO.
1	4003

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS



NOTES:

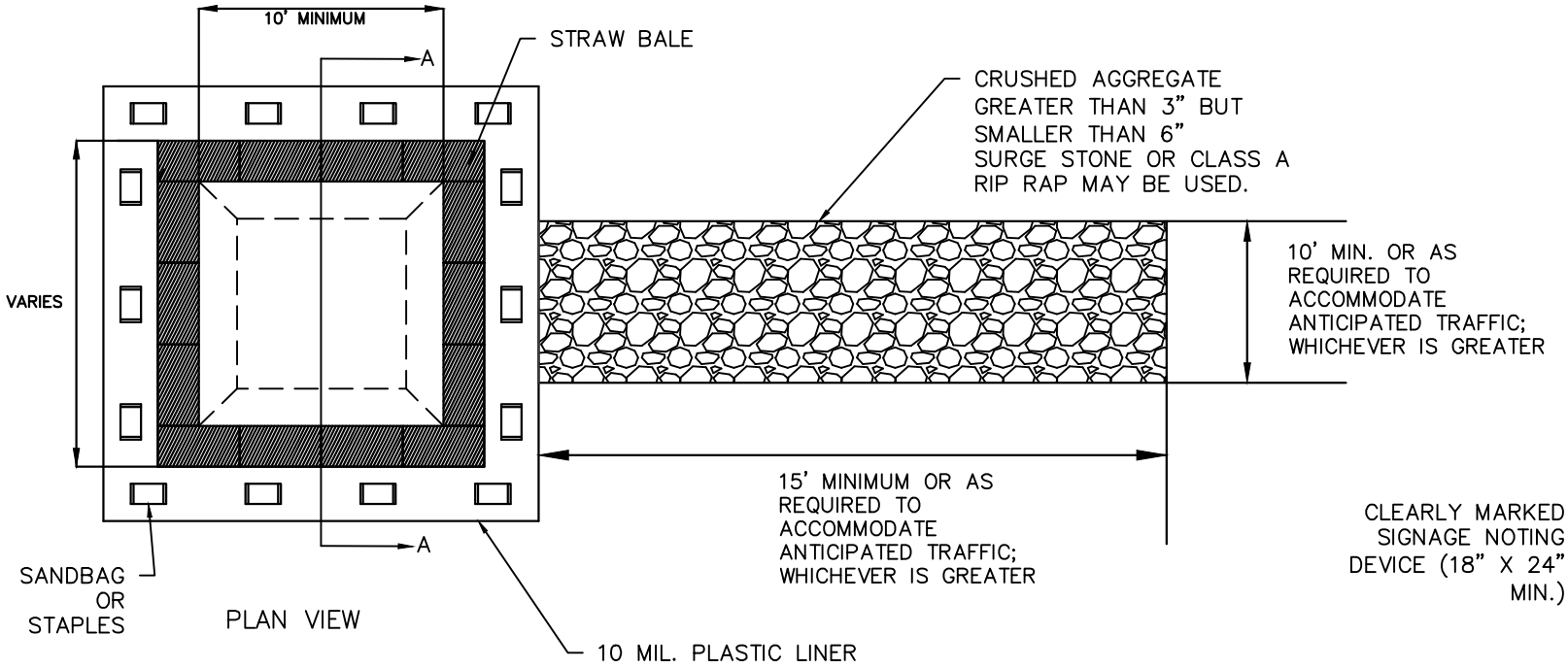
1. PROVIDE 6" MINIMUM STONE DEPTH
2. USE #5 WASHED STONE AND RAILROAD BALLAST MIX
3. INSTALL SOIL STABILIZATION FABRIC OR 4" COMPACTED ABC STONE UNDER ENTRANCE
4. ANY AGGREGATE TRACKED INTO THE ROADWAY MUST BE SWEPT BACK ONSITE ON A NIGHTLY BASIS
5. MINIMUM LENGTH OF ENTRANCE = 25'

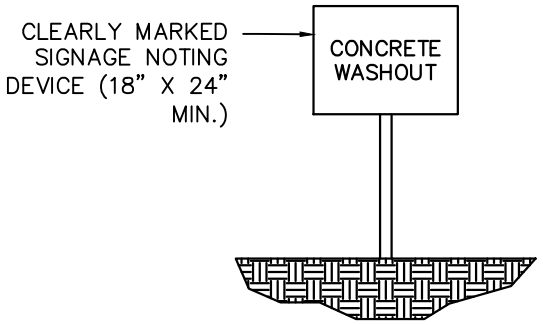
NOT TO SCALE

CONSTRUCTION ENTRANCE SINGLE FAMILY LOT

REV.	STD. NO.
1	4004A

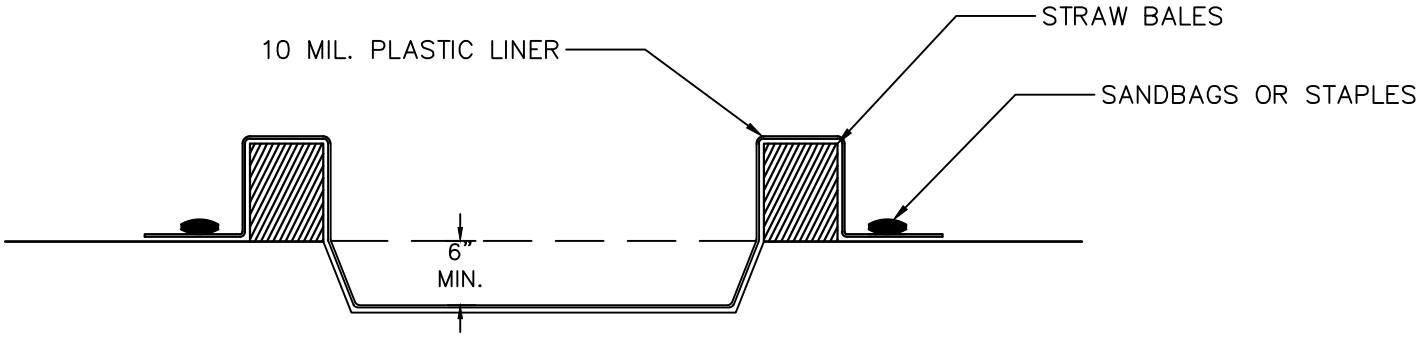
CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS





SIGNAGE

SECTION A–A



NOT TO SCALE

TEMPORARY CONCRETE WASHOUT

REV.	STD. NO.
1	4005A

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

NOTES:

1. DO NOT DISCHARGE CONCRETE OR CEMENT SLURRY FROM THE SITE.
2. DISPOSE OF, OR RECYCLE SETTLED, HARDENED CONCRETE RESIDUE IN ACCORDANCE WITH LOCAL AND STATE SOLID WASTE REGULATIONS AND AT AN APPROVED FACILITY.
3. INSTALL TEMPORARY CONCRETE WASHOUTS PER LOCAL REQUIREMENTS, WHERE APPLICABLE, IF AN ALTERNATE METHOD OR PRODUCT IS TO BE USED, CONTACT YOUR APPROVAL AUTHORITY FOR REVIEW AND APPROVAL.
4. LOCATE WASHOUTS IN AN EASILY ACCESSIBLE AREA, ON LEVEL GROUND AND INSTALL A STONE ENTRANCE PAD IN FRONT OF THE WASHOUT. ADDITIONAL CONTROLS MAY BE REQUIRED BY THE APPROVING AUTHORITY.
5. WASHOUT CONTAINMENT SHALL BE INSTALLED FOR DURATION OF CONCRETE WORK AND RETAIN CONCRETE AND OTHER WASHOUT LIQUIDS UNTIL EVAPORATION OR REMOVAL BY PUMP.
6. CONTAINMENT SHALL BE SIZED FOR EXPECTED WASHOUT VOLUMES.
7. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
8. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED).
9. WASHOUT PITS SHALL BE CLEANED OUT WHEN 75% FULL, OR AT THE DISCRETION OF NCDEQ OR THE CITY CONSTRUCTION INSPECTOR. ANY MATERIALS DAMAGED DURING CLEANING MUST BE REPLACED PRIOR TO FURTHER DISPOSAL OF CONCRETE.
10. THE WASHOUT PIT SHALL BE COVERED BEFORE PREDICTED RAIN EVENTS TO PREVENT OVERFLOW.
11. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 15FT OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
12. AT THE COMPLETION OF THE CONCRETE WORK, REMOVE REMAINING LEAVINGS AND DISPOSE OF IN AN APPROVED DISPOSAL FACILITY. FILL PIT AND STABILIZE ANY DISTURBANCE CAUSED BY REMOVAL OF WASHOUT.
13. FAILURE TO MAINTAIN THE CONCRETE WASHOUT THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS AND/OR IMPROPER DISPOSAL OF CONCRETE, SLURRY, OR OTHER CEMENTITOUS MATERIAL AT ANY POINT DURING THE CONSTRUCTION PROCESS WILL RESULT IN A STOP WORK ORDER AND/OR A NOTICE OF VIOLATION. AFTER THE ISSUANCE OF A STOP WORK ORDER, THE CONTRACTOR MUST RECEIVE A WRITTEN NOTICE TO PROCEED FROM THE CITY OF LEXINGTON PRIOR TO THE CONTINUATION OF WORK.

NOT TO SCALE

REV.	STD. NO.
1	4005B

TEMPORARY CONCRETE WASHOUT (NOTES)

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS